

CLAIMS

1. A disposable injector syringe comprising a syringe body, the syringe body including a cylindrical barrel having a
5 needle mounting portion on one end thereof, and an opening portion, on the other end thereof, for receiving a piston, a needle to be mounted on the needle mounting portion, the piston to be inserted through the syringe body through the opening portion, and restricting means for restricting a
10 movement of the piston, the restricting means restricting the movement of the piston so that the cylindrical barrel is prefilled with a liquid medicine and then closed by the piston.

2. The disposable injector syringe according to claim 1,
15 wherein the piston movement restricting means comprises a bellows, and a fixing sheet, the bellows being composed of a circumferential portion having a predetermined width and a trough portion, the two portions alternating with each other, the bellows covering a piston rod of the piston, and the
20 fixing sheet being glued onto the circumferential portion of the bellows.

3. The disposable injector syringe according to one of claims 1 and 2, wherein the piston rod includes a hollow
25 portion, an opening storage portion communicating with the hollow portion, and a cap closing the opening storage portion, the needle to be stored in the opening storage portion.

4. The disposable injector syringe according to claim 3, further comprising, inside the opening storage portion, a closing diaphragm having crossing notches.

5 5. The disposable injector syringe according to one of claims 1 through 4, comprising a reverse-movement prevention stopper ring in the vicinity of the opening of the cylindrical barrel of the syringe body, and a large number of reverse-movement prevention projections arranged on the
10 circumferential portion of the piston rod in the midway position of the piston rod, wherein the reverse-movement prevention projections are stopped by the reverse-movement prevention stopper ring.

15 6. The disposable injector syringe according to claims 1 through 5, comprising a slide cover slidably movable along the cylindrical barrel of the syringe body.

20 7. The disposable injector syringe according to one of claims 1 through 6, comprising a liquid-prefilled flexible plastic pouch arranged in the cylindrical barrel, wherein a proximal sharp end of the needle is projected in the cylindrical barrel.

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